Jeopardy Style Capture the Flag

Project Title	Jeopardy Style Capture the Flag
Project Summary	Create a Jeopardy-style CTF targeted at critical infrastructure assets. It will have a couple of questions (tasks) in range of categories. For example, Web, Forensic, Reverse Engineering Malware, Network Analysis, Cryptography, Crypto, Binary or something else. Multiple teams can participate.
Country	United States

Project Description

You will be responsible for developing a Jeopardy Style Capture the Flag targeted to .gov defenders that is web based with a scoring system. The Teams can gain some points for every solved task. More points for more complicated tasks usually. The next task in chain can be opened only after some team solve previous task. Then when the game time is over a sum of points shows you the CTF winner.

Some of the defenders responsibilities include detecting network anomalies, creating defensive signatures (snort rules mostly), malware analysis, forensic analysis, etc. CTFs are used to keep security professionals and students up-to-date with their skills in the cyber security industry. For quick reference https://www.youtube.com/watch?v=4puv--mREiQ . This CTF was created for Elementary and High School Students.

The first and most important phase of developing a CTF is the planning phase.
The Design Document, Project Management Plan and the WBS are very important documents that need to be completed as soon as possible because these documents help the process of getting the CTF to be successful. The Design Document includes what the layout of the CTF will be. It will also include what the rules of play are and it will detail how the scoring system will be used. This will also include a scenario for network defenders.

Applicants are most likely to succeed if they are a software developer; they understand network vulnerabilities and the associated attacks; Have a deep understanding of IT systems;

Required Skills or Interests

Skill(s)

Coding

Software
development

Website design

Additional Information

You'll be a part of a team of 4 interns nationwide!

Language Requirements

None